Advanced Field Artillery Tactical Data System

(AFATDS)

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Program Manager
Ground C2 Systems

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Project Leader
AFATDS

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AFATDS

5 May 2004

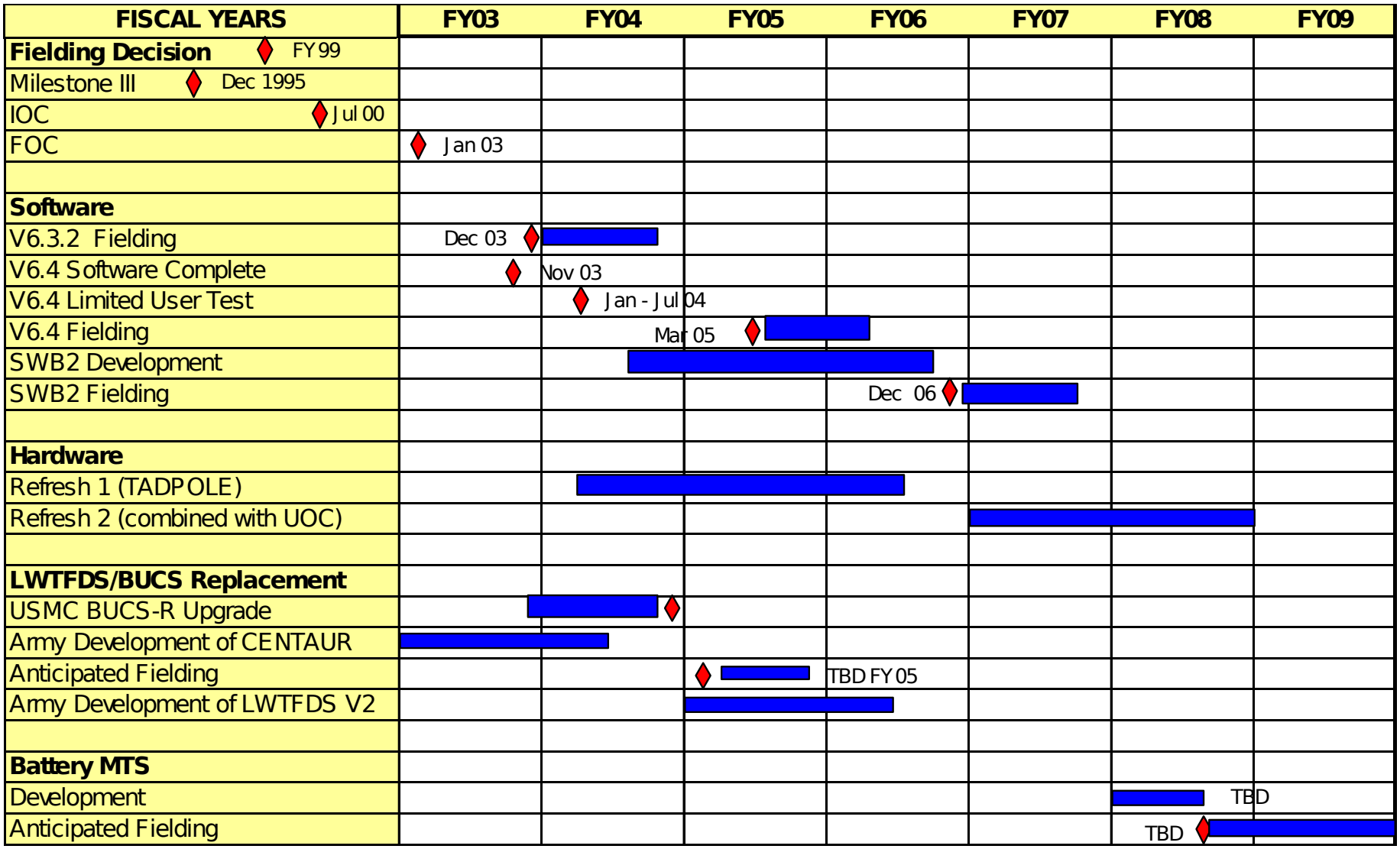
Agenda

- Program Status
- Hardware Refresh
- Software Enhancements
- Effects Management Tool (EMT)
- FIOP Precision Fires

Program Status

- Software, V6.3.2
  - V6.3.2 released 28 January 2004
  - Please inform FIT/Project Office of any problems with software
- Software, V6.4
  - V6.4 due in May 2005
- Software Block II
  - SWB2 due December 2006
- Hardware Refresh
  - Discussed on separate slide
- AFATDS Battery Maneuver Tactical Shelter(MTS)
  - Scheduled to identify and field in FY08

Program Schedule



AN/GYK-60, TAMCN TBD

Wheeled Laptop Transit Case
NSN: NYA
P/N: NYA

InkJet Printer (Color)
NSN: NYA
P/N: TBD

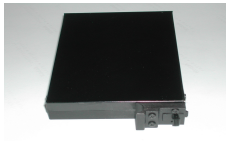
Laptop Computer
NSN: NYA
P/N: 02-

Power Cable
NSN: NYA
P/N: 02858123-449

Dual SINCGARS Radio Cabl
NSN: 5995-01-463-0973
P/N: 56057

SINCGARS/EPLRS Radio Cable
NSN: 5995-01-464-1840
P/N: 56064

TACKLINK (x2)
NSN: 5895-01-457-9416
P/N: 726789-801
or
06-2781586-1



Removable Hard Disk Drive (30GB)
NSN: NYA
P/N: 02-2777324-4

SINCGARS/4 Wire (WLA) (FSK) Cable
NSN: 5995-01-464-1841
P/N: 56063

DVD/CD Removable Drive
NSN: NYA
P/N: 02-2781454-1

Printer Parallel Cable
NSN: 5995-01-450-4161
P/N: 09-2757123-85

AC/DC Power Converter
NSN: NYA
P/N: 28-2781640-1

DC/DC Power Converter
NSN: NYA
P/N: 28-2781668-1

Crossover LAN Cable
P/N: 05H-50-CR-GN, CAGE: 6Z426

ATI-CentreCOM 10BaseT Hub P/N: AT-MR820TR, CAGE: 01JA9

Straight RJ-45 LAN Cable
(1 per LAN device)
P/N: 05H-888-SA-BK,

*Not Shown:
V2 10' Vehicle to Converter DC Power Cable

Hardware Refresh

- **Hardware Refresh**
  - **Fielding to current AAO**
  - **Planned start in 1st Quarter FY05 due to delivery schedule**
- **AAO Increase is awaiting final approval (if approved, most increases will be covered with refurbished CCU-2s)**
- **MAGTF Fires OAG recommended not fielding to Maneuver, Artillery OAG gave concurrence**
- **Procurement initiated in March, c forthcoming**

Hardware Refresh Fielding Plan

MARINE CORPS SYSTEMS COMMAND

SUPP EST	1st QTR FY05	50	
III MEF OKI)	2nd QTR FY05	62	
MARFORRES	3rd QTR FY05	140	
III MEF(HI)	4th QTR FY05	19	
II MEF	1st QTR FY06	129	
I MEF	2nd QTR FY06	131	

AAO Increases

- **Based on input from I MEF, II MEF, III MEF, and Supporting Establishments, the following AAO adjustment was presented to the AAO IPT on 28 October 2003. The IPT recommended the increase with re-evaluation from all units before re-convening.**
- **As of 8 December 2003, PP&O dropped the requirement for AFATDS to be fielded to the Infantry regiments and battalions (a decrease of 88 from the current AAO) (not reflected below).**

Unit Description	Current	Proposed	Delta
I MEF	155	199	44
II MEF	153	184	31
III MEF	101	119	18
MARFORRES	164	190	26
SUPPORTING ESTABLISHMENT	46	175	129
SPECIAL MISSION	0	0	0
MPF	0	0	0
NALMEB	0	0	0
DMFA	0	0	0
WRMR	0	0	0
TOTAL	**619**	**867**	**+248**

AFATDS Version 6.4

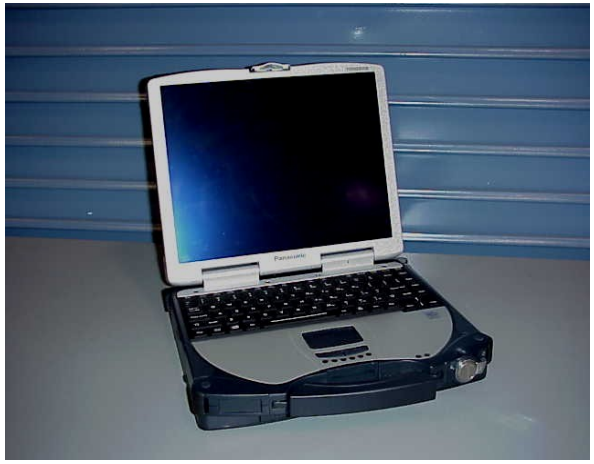
- AFATDS V6.4 due May 2005
  - Will allow for saving multiple databases
  - Allows for simultaneous missions to be sent to GDUs
  - Improves HF communications
  - MACCS/MOFA
  - Expanded geometry sizes and points
  - Easier to navigate and operate

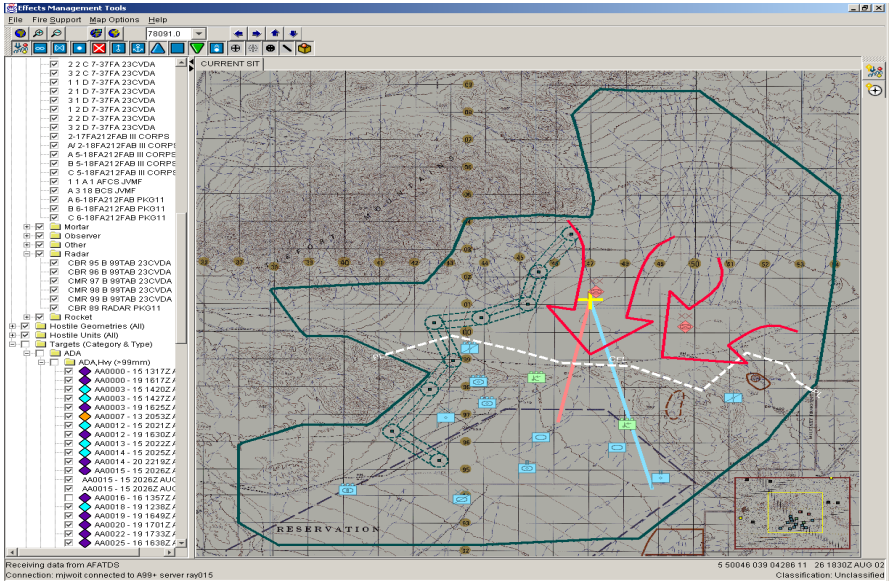
- AFATDS V6.4 will run on CCU2 and Tadpole

AFATDS Software Block II

- AFATDS SWB2 due December 2006
  - Improves Fire Planning to mirror doctrinal templates
  - Adds SATCOM
  - Incorporates Friendly Unit Check to limit fratricide
- AFATDS SWB2 will run on Tadpole
- Other enhancements under consideration:
  - Input of Blue PLI shared between C2PC and EMT
  - Transmission of JMUL
  - Correct mapping of messages in support of TLDHS
  - Geometry exchange between C2PC and EMT
  - AFWA meteorological messages

Effects Management Tool (EMT)





- Runs as injector on C2PC
- Also runs independently
- Provides easier access to AFATDS data
- Offers visual comparison of Fires Picture with COP
- Allows for import/export of Target List Worksheets, etc
- SWB2 enhancements
  - Fire Planning capability
  - Ability to edit guidances
- V6.4 enhancements
  - Smart Range Fans
  - Detailed unit updates

FIOP Precision Fires

- Family of Interoperable Operating Pictures Precision Fires, Task 2.3.1
- Joint Dynamic Command and Control System (JDACCS)
  - Will provide early interoperability functions with AFATDS V6.4
  - Due to field with AFATDS SWB2
- What FIOP Precision Fires is not:
  - It is not more EMT
  - It is not a technical firing solution system
  - It is not the cure all for all problems
- What FIOP Precision Fires is:
  - An all-source picture of the battlefield delivering the needed, precision-quality information to the right user at the right time
  - It is the solution to most of the interoperability problems in the fire support arena
  - It will combine the COP with the Fires Picture
  - It will leverage EMT and FST work already accomplished

Points of Contact

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- Operations Chief:
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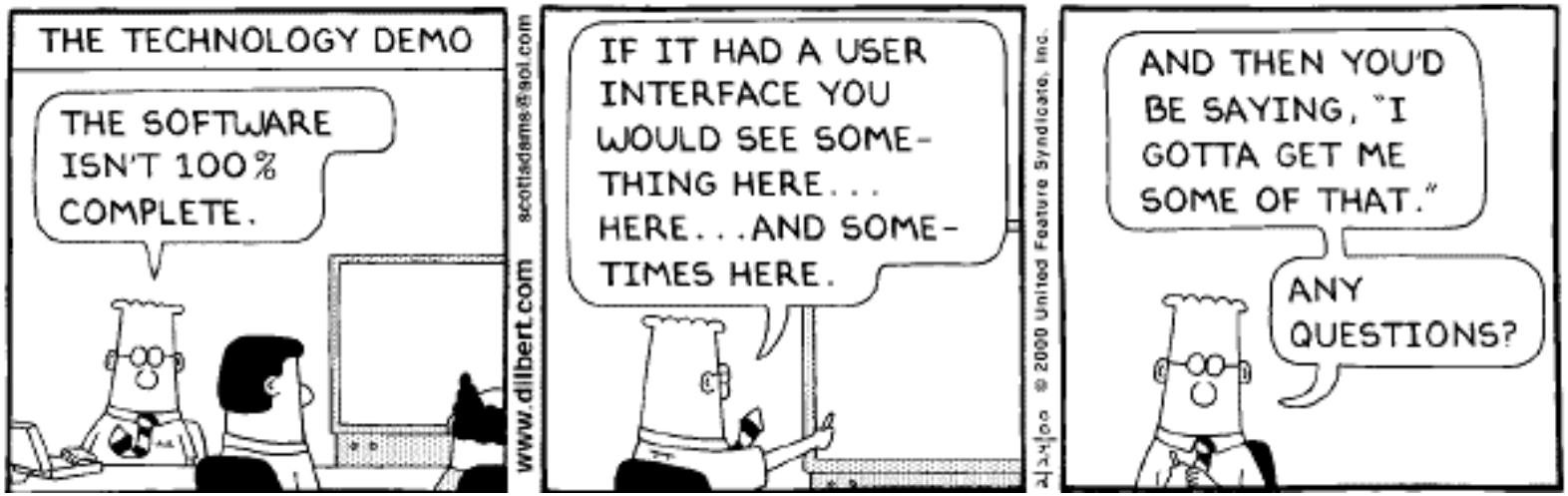
- Quickplace website:

www.quickplace.marcorsyscom.usmc.mil/syscomquickplacelinks.nsf/f9e0e512a3c836c085256b10006dee08/dfd52ecc92c58ff585256cef00694008?OpenDocument

- Tacmobile website:

www.tacmobile.spawar.navy.mil

Questions


THE TECHNOLOGY DEMO
THE SOFTWARE ISN'T 100% COMPLETE.
IF IT HAD A USER INTERFACE YOU WOULD SEE SOMETHING HERE... HERE...AND SOMETIMES HERE.
AND THEN YOU'D BE SAYING, "I GOTTA GET ME SOME OF THAT."
ANY QUESTIONS?
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Extra Slides

Points of Contact (cont)

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- AFATDS New Equipment Training Team OIC:
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- Field Integration Team:
  I MEF: Mr. Michael Williams
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  III MEF: Mr. Tim Themer 011-81-611-723-7476